

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	04/03/2018 04/03/2018	Sterling York

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD1001_01_s_2012_1				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies on hand at their district office.					

No Photos

LM Start		Rating **	A	Issue No.	2
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD1001_01_s_2012_2				
Comment Code					
Inspector Comment					
The LMA participates in the flood fight class put on by RD784 and DWR annually.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Yankee Slough	Right	4.12	04/03/2018 04/03/2018	Sterling York

LM Start		Rating **	A	Issue No.	3		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD1001_01_s_2012_3						
Comment Code							
Inspector Comment							
The LMA has a copy of the O&M manuals at the district office.							

No Photos

LM Start	0.02	Rating **	A	Issue No.	11
LM End	3.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.980099 °	38.966746 °
				-121.470405 °	-121.533402 °
DWR ID	DWR_RD1001_01_s_2018_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 2 : SP\_2018\_RD1001\_36\_11\_20180411\_00022.jpg



View looking upstream landside of the well maintained annual vegetation, Spring 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Yankee Slough	Right	4.12	04/03/2018 04/03/2018	Sterling York

LM Start	0.02	Rating **	A	Issue No.	11 (cont)	
LM End	3.83	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.980099 °		38.966746 °
				-121.470405 °		-121.533402 °
DWR ID	DWR_RD1001_01_s_2018_11					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Annual vegetation is well maintained, Spring 2018.						

Photo 2 of 2 : SP\_2018\_RD1001\_36\_11\_20180411\_00021.jpg



Second view looking upstream landside of the well maintained annual vegetation, Spring 2018.

LM Start	0.02	Rating **	A	Issue No.	12
LM End	3.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.980099 °	38.966746 °
				-121.470405 °	-121.533403 °
DWR ID	DWR_RD1001_01_s_2018_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_36\_12\_20180411\_00024.jpg



View looking upstream waterside of the well maintained annual vegetation, Spring 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	04/03/2018 04/03/2018	Sterling York

LM Start	0.73	Rating **	C	Issue No.	13
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.975046 °	38.975038 °
				-121.480938 °	-121.481151 °
DWR ID	DWR_RD1001_01_f_2017_13				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:135					
Site Designation:LMA-15					
Repair Type: Erosion					
Rating:Serious					
Field Date:6/6/2017					
Notes: Erosion of berm due to water flowing on berm toe road. Soil is silty sand and no veg or rock. X-section is from 1 of 2 emergency repairs that encroached into levee prism. Hole was backfilled with rock, about 7' deep.					

No Photos

LM Start	3.09	Rating **	M	Issue No.	19
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.965660 °	38.965660 °
				-121.520548 °	-121.520548 °
DWR ID	DWR_RD1001_01_s_2016_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim limbs or remove stump for access and visibility, Spring 2018.					

Photo 1 of 2 : SP\_2018\_RD1001\_36\_19\_20180411\_00026.jpg



View of a tree that need limbs trimmed, Spring 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yankee Slough	Right	4.12	04/03/2018 04/03/2018	Sterling York

LM Start	3.09	Rating **	M	Issue No.	19 (cont)	
LM End	3.09	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.965660 °		38.965660 °
				-121.520548 °		-121.520548 °
DWR ID	DWR_RD1001_01_s_2016_19					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						
Trim limbs or remove stump for access and visibility, Spring 2018.						

Photo 2 of 2 : SP\_2018\_RD1001\_36\_19\_20180302\_00014.jpg



View of a tree that need limbs trimmed. Fall 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	04/03/2018 04/03/2018	Sterling York

LM Start	0.32	Rating **	M	Issue No.	14
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.974542 °	38.974542 °
				-121.477438 °	-121.477438 °
DWR ID	DWR_RD1001_02_s_2018_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Tree needs its limbs trimmed for access and visibility, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_35\_14\_20180411\_00030.jpg



View looking downstream landside of tree that needs its limbs trimmed for access and visibility, Spring 2018.

LM Start	1.33	Rating **	M	Issue No.	1
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.969740 °	38.969640 °
				-121.494327 °	-121.494829 °
DWR ID	DWR_RD1001_02_s_2016_1				
Comment Code					
Inspector Comment					
2011 - New erosion site. Steep eroding slope. Fairly old scarp with vegetation growth. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YAS_1-7_L]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	04/03/2018 04/03/2018	Sterling York

LM Start	1.88	Rating **	N	Issue No.	6
LM End	1.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.969489 °	38.969489 °
				-121.504155 °	-121.504155 °
DWR ID	DWR_RD1001_02_f_2015_6				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Large stump at the landside levee toe should be removed, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_35\_6\_20180302\_00002.jpg



View of large stump at the landside levee toe. Fall 2016.

LM Start	1.89	Rating **	N	Issue No.	13
LM End	1.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.969423 °	38.969423 °
				-121.504225 °	-121.504225 °
DWR ID	DWR_RD1001_02_f_2015_13				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Large stump at the landside levee toe should be removed, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_35\_13\_20180302\_00009.jpg



View of large stump at the landside levee toe. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	04/03/2018 04/03/2018	Sterling York

LM Start	1.90	Rating **	N	Issue No.	5
LM End	1.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.969261 °	38.969261 °
				-121.504429 °	-121.504429 °
DWR ID	DWR_RD1001_02_f_2017_5				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Large stump at the landside levee toe should be removed. Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_35\_5\_20180302\_00001.jpg



View looking downstream landside at a large stump that needs to be removed, Fall 2017.

LM Start	2.28	Rating **	M	Issue No.	55
LM End	2.28	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.967403 °	38.967403 °
				-121.510953 °	-121.510953 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14008 DS_ID:22543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slide gate in inlet pipe on landside - pits on pipe due to corrosion FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate and concrete U-shaped headwall at outfall on the waterside (WS) end. Slide gate at inlet on the landside (LS) end. (Reclamation District No. 1001). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (Station 67+75)]. FS Date: 5/23/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_14008\_23108.jpg



WS- overview of waterside of the levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	04/03/2018 04/03/2018	Sterling York

LM Start	2.28	Rating **	M	Issue No.	55 (cont)	
LM End	2.28	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.967403 °	38.967403 °	
				-121.510953 °	-121.510953 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:14008 DS_ID:22543 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - slide gate in inlet pipe on landside - pits on pipe due to corrosion FIELD_STRUCT_DESC: 36-inch corrugated metal gravity drainage pipe through the levee, 15 feet below the crown. Flap gate and concrete U-shaped headwall at outfall on the waterside (WS) end. Slide gate at inlet on the landside (LS) end. (Reclamation District No. 1001). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 141.1, August 1955, (Station 67+75)]. FS Date: 5/23/2013						

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_14008\_23107.jpg



WS- outfall pipe with flap gate in concrete wing wall.

Photo 3 of 3 : UCIP\_SP\_2018\_14008\_23106.jpg



LS- slide gate in inlet pipe structure

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yankee Slough	Left	3.65	04/03/2018 04/03/2018	Sterling York

LM Start	3.58	Rating **	A	Issue No.	24
LM End	3.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			38.965345 °	38.965345 °
				-121.532615 °	-121.532615 °
DWR ID	DWR_RD1001_02_f_2016_24				
Comment Code					
Inspector Comment					
Stockpiled flood fight material. Fall 2016.					

Photo 1 of 1 : SP\_2018\_RD1001\_35\_24\_20180302\_00016.jpg



View of stockpiled flood fight material. Fall 2016.

LM Start	3.58	Rating **	C	Issue No.	8
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.965369 °	38.965532 °
				-121.532677 °	-121.533052 °
DWR ID	DWR_RD1001_02_f_2017_8				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:164					
Site Designation:USACE_CESPK_NIC2_2012_p_0218					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:6/6/2017					
Notes: Erosion into lower part of levee. Erosion occurs from blackberry bushes down.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	13
LM End	12.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.006478 °	38.941103 °
				-121.375035 °	-121.567605 °
DWR ID	DWR_RD1001_03_s_2018_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_13\_20180409\_00054.jpg



View looking downstream landside of the well maintained annual vegetation, Spring 2018.

LM Start	0.00	Rating **	A	Issue No.	15
LM End	12.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.006478 °	38.941103 °
				-121.375035 °	-121.567605 °
DWR ID	DWR_RD1001_03_s_2018_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_15\_20180409\_00052.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	0.11	Rating **	M	Issue No.	2
LM End	0.11	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.006569 °	39.006569 °
				-121.377037 °	-121.377037 °
DWR ID	DWR_RD1001_03_f _ 2013_2				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Rutting caused by vehicles driving up the landward levee slope, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_2\_20180409\_00055.jpg



View of rutting on the landside levee facing downstream. Spring 2018.

LM Start	0.14	Rating **	C	Issue No.	23
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.006351 °	39.006351 °
				-121.377313 °	-121.377313 °
DWR ID	DWR_RD1001_03_s_2015_23				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Rutting caused by vehicles driving up the landward levee slope has been repaired, Spring 2018.					

No Photos

LM Start	1.87	Rating **	M	Issue No.	28
LM End	1.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.998608 °	38.998608 °
				-121.405570 °	-121.405570 °
DWR ID	DWR_RD1001_03_s_2013_28				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Continual damage to waterside slope caused by vehicles, suggest blocking access.					

Photo 1 of 2 : SP\_2018\_RD1001\_37\_28\_20180409\_00057.jpg



Continual damage to waterside slope caused by vehicles. Spring 2018.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	1.87	Rating **	M	Issue No.	28 (cont)	
LM End	1.87	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.998608 °		38.998608 °
				-121.405570 °		-121.405570 °
DWR ID	DWR_RD1001_03_s_2013_28					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Continual damage to waterside slope caused by vehicles, suggest blocking access.						

Photo 2 of 2 : SP\_2018\_RD1001\_37\_28\_20180302\_00022.jpg



Continual damage to waterside slope caused by vehicles. Fall 2017.

LM Start	1.87	Rating **	A/W	Issue No.	29
LM End	1.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.998608 °	38.998608 °
				-121.405570 °	-121.405570 °
DWR ID	DWR_RD1001_03_s_2013_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Continual damage caused by vehicles going around the gate, has been fixed and blocks added.					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_29\_20180302\_00023.jpg



Continual damage caused by vehicles going around the gate. Fall 2017.

LM Start	2.17	Rating **	C	Issue No.	49
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.996614 °	38.996614 °
				-121.410213 °	-121.410213 °
DWR ID	DWR_RD1001_03_f_2017_49				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Tree limbs have been trimmed for visibility and access, Spring 2018.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	2.28	Rating **	M	Issue No.	30
LM End	2.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.996302 °	38.996302 °
				-121.412285 °	-121.412285 °
DWR ID	DWR_RD1001_03_s_2013_30				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Damage to landside slope by vehicles needs to be repaired, Spring 2018.					

Photo 1 of 2 : SP\_2018\_RD1001\_37\_30\_20180409\_00059.jpg



View looking downstream waterside where slope has been disturbed by vehicle traffic, Spring 2018.

LM Start	<b>2.28</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>2.28</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2018\_RD1001\_37\_30\_20180302\_00024.jpg



View looking downstream waterside where slope has been disturbed by vehicle traffic, Fall 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	2.59	Rating **	A/W	Issue No.	36
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.995583 °	38.995583 °
				-121.417995 °	-121.417995 °
DWR ID	DWR_RD1001_03_s_2015_36				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Tree less than 4" in diameter should be removed, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_36\_20180409\_00061.jpg



View of a small starter tree on landside slope looking downstream that is less than 4" in diameter, Spring 2018.

LM Start	2.82	Rating **	C	Issue No.	51
LM End	2.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.994726 °	38.994668 °
				-121.422132 °	-121.422343 °
DWR ID	DWR_RD1001_03_f_2017_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trees have had their limbs trimmed for visibility and access, Spring 2018.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	2.96	Rating **	M	Issue No.	42
LM End	2.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.994157 °	38.994157 °
				-121.424520 °	-121.424520 °
DWR ID	DWR_RD1001_03_f_2013_42				
Comment Code					
DE : Debris					
Inspector Comment					
Remove couch on levee slope, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_42\_20180302\_00036.jpg



View of a couch on the landside levee slope looking downstream. Fall 2016.

LM Start	3.52	Rating **	M	Issue No.	906
LM End	3.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.991745 °	38.991745 °
				-121.434398 °	-121.434398 °
DWR ID	DWR_RD1001_03_s_2012_906				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	3.57	Rating **	M	Issue No.	21
LM End	3.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.991390 °	38.991390 °
				-121.435268 °	-121.435268 °
DWR ID	DWR_RD1001_03_s_2016_21				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP\_2018\_RD1001\_37\_21\_20180409\_00063.jpg



Erosion on waterside slope still remains as of Spring 2018.

LM Start	<b>3.57</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>3.57</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2018\_RD1001\_37\_21\_20180302\_00019.jpg



Erosion on waterside slope. Remains as of Fall 2016.

LM Start	4.06	Rating **	A/W	Issue No.	24
LM End	4.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.991370 °	38.991370 °
				-121.444351 °	-121.444351 °
DWR ID	DWR_RD1001_03_f_2016_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bushes have been trimmed up for access and visibility, Spring 2018.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	4.65	Rating **	A/W	Issue No.	58
LM End	4.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.991551 °	38.991551 °
				-121.455092 °	-121.455092 °
DWR ID	DWR_RD1001_03_s _ 2012_58				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bushes have been trimmed up for access and visibility, Spring 2018.					

No Photos

LM Start	4.82	Rating **	A/W	Issue No.	910
LM End	4.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.990773 °	38.990773 °
				-121.458203 °	-121.458203 °
DWR ID	DWR_RD1001_03_s _ 2012_910				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bushes have been trimmed up for access and visibility, Spring 2018.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	5.81	Rating **	A/W	Issue No.	32
LM End	5.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.985882 °	38.985882 °
				-121.475394 °	-121.475394 °
DWR ID	DWR_RD1001_03_f_2016_32				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees less than 4" in diameter should be removed, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_32\_20180409\_00070.jpg



View of landside were trees less than 4" in diameter should be removed, Spring 2018.

LM Start	6.47	Rating **	C	Issue No.	40
LM End	6.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.984020 °	38.984020 °
				-121.487404 °	-121.487404 °
DWR ID	DWR_RD1001_03_f_2016_40				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Fixed slope due to foot traffic, Spring 2018.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	6.47	Rating **	C	Issue No.	38
LM End	6.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.984019 °	38.984019 °
				-121.487404 °	-121.487404 °
DWR ID	DWR_RD1001_03_s_2013_38				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Fixed erosion at end of curb, Spring 2018.					

No Photos

LM Start	7.15	Rating **	C	Issue No.	56
LM End	7.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.982681 °	38.982681 °
				-121.500013 °	-121.500013 °
DWR ID	DWR_RD1001_03_f_2017_56				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Removed blackberry bushes from levee slope, Spring 2018.					

No Photos

LM Start	7.22	Rating **	M	Issue No.	17
LM End	7.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.982737 °	38.982572 °
				-121.501144 °	-121.502797 °
DWR ID	DWR_RD1001_03_s_2016_17				
Comment Code					
Inspector Comment					
2008 - Sandy/silty banks with rotational slab failures creating near vertical bank with pop-outs due to tree failures. Narrow berm. 2015: Last observed in 2013. [2015 Site ID: BER_5-7_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_17\_20180302\_00017.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	7.72	Rating **	M	Issue No.	25
LM End	7.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.980342 °	38.980342 °
				-121.509712 °	-121.509712 °
DWR ID	DWR_RD1001_03_s_2018_25				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove fallen tree from levee slope, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_25\_20180409\_00076.jpg



View looking downstream waterside of a fallen tree that needs to be removed, Spring 2018.

LM Start	9.31	Rating **	A/W	Issue No.	44
LM End	9.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.970576 °	38.970576 °
				-121.533334 °	-121.533334 °
DWR ID	DWR_RD1001_03_f_2016_44				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bushes have been trimmed up for access and visibility, Spring 2018.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	10.13	Rating **	M	Issue No.	31
LM End	10.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.967683 °	38.966864 °
				-121.543595 °	-121.543688 °
DWR ID	DWR_RD1001_03_s_2018_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree limbs for access and visibility, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_31\_20180409\_00077.jpg



View looking downstream waterside of tree that needs trimmed for access and visibility, Spring 2018.

LM Start	10.36	Rating **	M	Issue No.	10
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.964583 °	38.964010 °
				-121.544967 °	-121.545228 °
DWR ID	DWR_RD1001_03_s_2016_10				
Comment Code					
Inspector Comment					
2011 - Large section of bank has slumped off. RD has flagged and appears to be watching. 2012 - Slopes slightly steeper. 2013 - Minor new erosion observed. 2015: Last observed in 2013. [2015 Site ID: BER_2-5_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_10\_20180302\_00011.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	11.08	Rating **	A/W	Issue No.	1
LM End	11.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.955070 °	38.954227 °
				-121.549528 °	-121.550592 °
DWR ID	DWR_RD1001_03_s_2016_1				
Comment Code					
Inspector Comment					
2011 - Large slumped sections of bank. 2012 - Slopes slightly steeper. 2015: Last observed in 2013. [2015 Site ID: BER_1-9_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_1\_20180302\_00001.jpg



USACE 2013 Photo #1

LM Start	11.23	Rating **	M	Issue No.	22
LM End	11.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.953367 °	38.953025 °
				-121.551428 °	-121.551808 °
DWR ID	DWR_RD1001_03_s_2012_22				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	12.07	Rating **	A/W	Issue No.	4
LM End	12.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.947591 °	38.946477 °
				-121.563390 °	-121.564094 °
DWR ID	DWR_RD1001_03_s_2016_4				
Comment Code					
Inspector Comment					
2006 - Multiple rotational failures in the berm. Erosion is into the levee toe and lower slope. Tension cracks extensive at top of bank. Cohesive toe creates a bench on which failures occur. 2007 - Still steep bank with some berm with pistol-butted reeds. 2012 - Site extended upstream due to additional slumping. Slopes slightly steeper. 2015: Last observed in 2013. [2015 Site ID: BER_0-8_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_37\_4\_20180302\_00005.jpg



USACE 2013 Photo #1

LM Start	12.11	Rating **	C	Issue No.	14
LM End	12.14	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.947090°	38.946751°
				-121.563603°	-121.563825°
DWR ID	DWR_RD1001_03_f_2017_14				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:141					
Site Designation:LMA-21					
Repair Type: Erosion					
Rating:Critical					
Field Date:6/6/2017					
Notes: Deep scarp in bank.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Bear River	Left	12.58	04/03/2018 04/03/2018	Sterling York

LM Start	12.18	Rating **	M	Issue No.	27
LM End	12.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.946248 °	38.946248 °	
			-121.564220 °	-121.564220 °	
DWR ID	DWR_RD1001_03_s_2012_27				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	0.04	Rating **	A	Issue No.	55
LM End	13.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.940543 °	38.781191 °
				-121.567800 °	-121.605619 °
DWR ID	DWR_RD1001_04_f_2017_55				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_55\_20180411\_00083.jpg



View looking downstream landside of the well maintained annual vegetation, Spring 2018.

LM Start	0.04	Rating **	A	Issue No.	39
LM End	13.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.940542 °	38.781154 °
				-121.567798 °	-121.605746 °
DWR ID	DWR_RD1001_04_s_2018_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation is well maintained, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_39\_20180411\_00084.jpg



View looking downstream waterside of the well maintained annual vegetation, Spring 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	0.12	Rating **	M	Issue No.	31
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.939388 °	38.938985 °
				-121.567782 °	-121.567772 °
DWR ID	DWR_RD1001_04_s_2018_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove downed tree from levee slope, Spring 2018.					

LM Start	<b>0.12</b>	Rating **	M	Issue No.	<b>31 (cont)</b>
LM End	<b>0.15</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP\_2018\_RD1001\_38\_31\_20180411\_00085.jpg



View looking downstream landside of a downed tree that need to be removed from levee slope, Spring 2018.

Photo 2 of 2 : SP\_2018\_RD1001\_38\_31\_20180411\_00086.jpg



Second view looking downstream landside of a downed tree that need to be removed from levee slope, Spring 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	0.13	Rating **	M	Issue No.	57
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.939219 °	38.939219 °
				-121.567789 °	-121.567789 °
DWR ID	DWR_RD1001_04_f_2017_57				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild growth from levee slope, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_57\_20180302\_00043.jpg



View looking downstream landside of wild growth that is creeping up the levee slope, Fall 2017.

LM Start	0.14	Rating **	M	Issue No.	3
LM End	0.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.939029 °	38.939029 °
				-121.567771 °	-121.567771 °
DWR ID	DWR_RD1001_04_s_2017_3				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove pruning's from hinge point, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_3\_20180302\_00003.jpg



View looking downstream of pruning's on hinge point, Fall 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	0.17	Rating **	M	Issue No.	46
LM End	0.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.938715 °	38.938715 °
				-121.567768 °	-121.567768 °
DWR ID	DWR_RD1001_04_f_2016_46				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Keep the Blackberry bush from climbing the landside levee slope, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_46\_20180411\_00087.jpg



View looking downstream landside of wild growth that is creeping up the levee slope, Spring 2018.

LM Start	0.18	Rating **	M	Issue No.	63
LM End	0.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.938534 °	38.938534 °
				-121.567729 °	-121.567729 °
DWR ID	DWR_RD1001_04_s_2016_63				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage caused by ATV, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_63\_20180411\_00088.jpg



View of landside slope erosion caused by vehicles, Spring 2018.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	0.20	Rating **	M	Issue No.	42
LM End	0.20	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.938233 °	38.938233 °
				-121.567731 °	-121.567731 °
DWR ID	DWR_RD1001_04_s_2017_42				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove pruning's from fallen tree from both sides of hinge points, Spring 2017.					

Photo 1 of 2 : SP\_2018\_RD1001\_38\_42\_20180411\_00089.jpg



View looking downstream of pruning's from fallen tree on both sides of hinge points, Spring 2018.

LM Start	<b>0.20</b>	Rating **	M	Issue No.	<b>42 (cont)</b>
LM End	<b>0.20</b>	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP\_2018\_RD1001\_38\_42\_20180302\_00029.jpg



View looking downstream of pruning's from fallen tree on both sides of hinge points, Fall 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	0.37	Rating **	A/W	Issue No.	64
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.935903 °	38.935903 °
				-121.567250 °	-121.567250 °
DWR ID	DWR_RD1001_04_s_2016_64				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
Animal trail is not being used and shows no sign of erosion or sloughing. Fall 2017.					

LM Start	<b>0.37</b>	Rating **	A/W	Issue No.	<b>64 (cont)</b>
LM End	<b>0.37</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : SP\_2018\_RD1001\_38\_64\_20180302\_00049.jpg



Livestock trail cut into landside slope. Spring 2016.

Photo 2 of 3 : SP\_2018\_RD1001\_38\_64\_20180302\_00050.jpg



View of animal trail cut into the landside levee slope. Fall 2016.

LM Start	<b>0.37</b>	Rating **	A/W	Issue No.	<b>64 (cont)</b>
LM End	<b>0.37</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2018\_RD1001\_38\_64\_20180302\_00051.jpg



View looking downstream of animal trail that is not being used and shows no sign of erosion or sloughing. Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	0.39	Rating **	M	Issue No.	16
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.935519 °	38.935519 °
				-121.567042 °	-121.567042 °
DWR ID	DWR_RD1001_04_f_2015_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage caused by ATV, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_16\_20180302\_00009.jpg



View of rut made up the landside levee slope. Fall 2016.

LM Start	0.49	Rating **	M	Issue No.	59
LM End	0.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.934139 °	38.934139 °
				-121.567025 °	-121.567025 °
DWR ID	DWR_RD1001_04_f_2016_59				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees 4" in diameter or less at chest height should be removed.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_59\_20180302\_00045.jpg



View of three trees with diameters less than 4". Fall 2016.

LM Start	0.51	Rating **	N	Issue No.	21
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.933796 °	38.933796 °
				-121.567047 °	-121.567047 °
DWR ID	DWR_RD1001_04_f_2015_21				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove stump from the landside levee slope.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_21\_20180302\_00013.jpg



View of a stump in the landside levee slope. Fall 2016.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	0.55	Rating **	M	Issue No.	68
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.933299 °	38.933299 °
				-121.567069 °	-121.567069 °
DWR ID	DWR_RD1001_04_s_2016_68				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage caused by ATV, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_68\_20180411\_00090.jpg



View of ruts caused by vehicle on the landside levee slope. Spring 2018.

LM Start	0.55	Rating **	N	Issue No.	60
LM End	0.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.933229 °	38.933229 °
				-121.567097 °	-121.567097 °
DWR ID	DWR_RD1001_04_f_2016_60				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_60\_20180302\_00046.jpg



View of tree stump, waterside crown at gate. Fall 2016.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	0.55	Rating **	N	Issue No.	61
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.933229 °	38.933229 °
				-121.567097 °	-121.567097 °
DWR ID	DWR_RD1001_04_f_2016_61				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_61\_20180302\_00047.jpg



View of tree stump, landside crown at gate. Fall 2016.

LM Start	1.06	Rating **	N	Issue No.	69
LM End	1.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.926128 °	38.926128 °
				-121.568241 °	-121.568241 °
DWR ID	DWR_RD1001_04_s_2016_69				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_69\_20180302\_00057.jpg



View of landside toe of a stump that needs to be removed, Fall 2017.

LM Start	1.07	Rating **	M	Issue No.	65
LM End	1.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.925991 °	38.925991 °
				-121.568282 °	-121.568282 °
DWR ID	DWR_RD1001_04_f_2017_65				
Comment Code					
FW : Firewood					
Inspector Comment					
Remove firewood from levee crown, Spring 2018.					

Photo 1 of 2 : SP\_2018\_RD1001\_38\_65\_20180302\_00052.jpg



View looking downstream waterside crown at firewood, Fall 2017.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	1.07	Rating **	M	Issue No.	65 (cont)	
LM End	1.07	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.925991 °	38.925991 °	
				-121.568282 °	-121.568282 °	
DWR ID	DWR_RD1001_04_f_2017_65					
Comment Code						
FW : Firewood						
Inspector Comment						
Remove firewood from levee crown, Spring 2018.						

Photo 2 of 2 : SP\_2018\_RD1001\_38\_65\_20180411\_00091.jpg



LM Start	1.51	Rating **	M	Issue No.	67
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.919643 °	38.919643 °
				-121.569233 °	-121.569233 °
DWR ID	DWR_RD1001_04_f_2017_67				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove pruning's from levee slope, Spring 2018.					

Photo 1 of 2 : SP\_2018\_RD1001\_38\_67\_20180411\_00092.jpg



View looking downstream waterside of pruning's on the levee slope, Spring 2018.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	1.51	Rating **	M	Issue No.	67 (cont)	
LM End	1.51	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.919643 °		38.919643 °
				-121.569233 °		-121.569233 °
DWR ID	DWR_RD1001_04_f_2017_67					
Comment Code						
PR : Prunings						
Inspector Comment						
Remove pruning's from levee slope, Spring 2018.						

Photo 2 of 2 : SP\_2018\_RD1001\_38\_67\_20180302\_00055.jpg



View looking downstream waterside of pruning's on the levee slope, Fall 2017.

LM Start	2.80	Rating **	M	Issue No.	47
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.903896 °	38.903896 °
				-121.580230 °	-121.580230 °
DWR ID	DWR_RD1001_04_s_2017_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim limbs 5' for visibility, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_47\_20180302\_00035.jpg



View looking downstream where limbs need to be trimmed 5' for visibility, Spring 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	4.06	Rating **	M	Issue No.	51
LM End	4.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.892820 °	38.892583 °
				-121.598003 °	-121.598575 °
DWR ID	DWR_RD1001_04_s_2017_51				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Continual vehicles driving up levee slope should be monitored and maintained, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_51\_20180411\_00095.jpg



View of continual vehicles driving up levee slope, should be monitored and maintained, Spring 2018.

LM Start	5.18	Rating **	M	Issue No.	70
LM End	5.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.882301 °	38.882301 °
				-121.611296 °	-121.611296 °
DWR ID	DWR_RD1001_04_f_2017_70				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Continual vehicles driving up levee slope should be monitored and maintained, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_70\_20180411\_00096.jpg



View looking downstream waterside of the slope that is damage by vehicle traffic, Spring 2018.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	5.22	Rating **	M	Issue No.	78
LM End	5.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.881768 °	38.881768 °
				-121.611302 °	-121.611302 °
DWR ID	DWR_RD1001_04_s_2016_78				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair damage on slope cause by vehicle traffic, Fall 2017.					

Photo 1 of 2 : SP\_2018\_RD1001\_38\_78\_20180302\_00059.jpg



Ruts on waterside slope due to vehicles. Spring 2016.

LM Start	5.22	Rating **	M	Issue No.	78 (cont)
LM End	5.22	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2018\_RD1001\_38\_78\_20180302\_00060.jpg



Ruts still there on waterside slope due to vehicles. Fall 2016.

LM Start	5.55	Rating **	A/W	Issue No.	79
LM End	5.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.877256 °	38.877256 °
				-121.613073 °	-121.613073 °
DWR ID	DWR_RD1001_04_s_2016_79				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	5.61	Rating **	A/W	Issue No.	35	
LM End		Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.876374 °		°
				-121.613425 °		°
DWR ID	DWR_RD1001_04_f_2017_35					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:139						
Site Designation:LMA-19						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/6/2017						
Notes: Several small erosion sites along 2 miles.						

LM Start	<b>5.61</b>	Rating **	A/W	Issue No.	<b>35 (cont)</b>
LM End		Issue Type +	Ma	Location *	WS

Photo 1 of 3 : LEVAL\_SP\_2018\_139\_1148.jpg



Photo 2 of 3 : LEVAL\_SP\_2018\_139\_1154.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	5.61	Rating **	A/W	Issue No.	35 (cont)	
LM End		Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.876374 °		°
				-121.613425 °		°
DWR ID	DWR_RD1001_04_f_2017_35					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:139						
Site Designation:LMA-19						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/6/2017						
Notes: Several small erosion sites along 2 miles.						

Photo 3 of 3 : LEVAL\_SP\_2018\_139\_1155.jpg



LM Start	5.80	Rating **	M	Issue No.	2
LM End	5.93	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.874113 °	38.872373 °
				-121.615380 °	-121.616504 °
DWR ID	DWR_RD1001_04_s_2016_2				
Comment Code					
Inspector Comment					
2011 - Erosion pockets from tree popouts. Sections of the lower bank have slumped off. 2013 - Scallops from tree popouts no longer visible on site. Minor new erosion at the middle of the bank. 2015: Fresh erosion from human use. [2015 Site ID: FHR_6-6_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_2\_20180302\_00002.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	6.42	Rating **	M	Issue No.	5
LM End	6.51	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.865875 °	38.864706 °
				-121.619983 °	-121.620813 °
DWR ID	DWR_RD1001_04_s_2016_5				
Comment Code					
Inspector Comment					
2011 - Tall slumping sections. Scour around trees has exposed most of the roots. 2015: Recent large slope failure observed. [2015 Site ID: FHR_6-0_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_5\_20180302\_00005.jpg



USACE 2013 Photo #1

LM Start	6.57	Rating **	M	Issue No.	4
LM End	6.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.863946 °	38.861558 °
				-121.621388 °	-121.623316 °
DWR ID	DWR_RD1001_04_s_2016_4				
Comment Code					
Inspector Comment					
2011 - Large slumped sections on the lower bank. 2012 - New cracks observed. 2015: No observed changes. [2015 Site ID: FHR_5-8_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_4\_20180302\_00004.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	7.06	Rating **	M	Issue No.	40
LM End	7.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.857797 °	38.857797 °
				-121.625912 °	-121.625912 °
DWR ID	DWR_RD1001_04_s_2018_40				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair tire ruts on levee slope, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_40\_20180411\_00097.jpg



View looking downstream waterside at deep tire ruts in levee slope, Spring 2018.

LM Start	7.08	Rating **	A/W	Issue No.	52
LM End	7.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.857574 °	38.857574 °
				-121.626083 °	-121.626083 °
DWR ID	DWR_RD1001_04_s_2017_52				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bush has been trimmed for access and visibility, Spring 2018.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	7.32	Rating **	M	Issue No.	45
LM End	7.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.854324 °	38.854324 °
				-121.627970 °	-121.627970 °
DWR ID	DWR_RD1001_04_s_2018_45				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim limbs for access and visibility, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_45\_20180411\_00098.jpg



View looking downstream landside of trees that need limbs trimmed for access and visibility, Spring 2018.

LM Start	7.47	Rating **	M	Issue No.	8
LM End	7.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.852394 °	38.848004 °
				-121.629231 °	-121.630873 °
DWR ID	DWR_RD1001_04_s_2016_8				
Comment Code					
Inspector Comment					
2000 - Steep bank off berm with some slumps and fallen trees, continued erosion. 2002 - Site lengthened upstream and downstream due to vertical bank along most of the reach. 2010 - Site extended upstream. 2011 - Minimal new erosion. 2012 - Site extended on the upstream end, new tree pop-out, and bank erosion continues to worsen. 2013 - Minor new erosion at the toe and top of bank. 2015: No observed changes. [2015 Site ID: FHR_5-0_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_8\_20180302\_00008.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	7.60	Rating **	A/W	Issue No.	36
LM End	7.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.850521 °	38.850521 °
				-121.629423 °	-121.629423 °
DWR ID	DWR_RD1001_04_f_2015_36				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Ramp has vertical cut into the levee prism.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_36\_20180302\_00026.jpg



View of vertical cut for ramp in the landside levee slope looking upstream. Fall 2016.

LM Start	8.57	Rating **	M	Issue No.	7
LM End	8.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.836966 °	38.831498 °
				-121.634128 °	-121.636371 °
DWR ID	DWR_RD1001_04_s_2016_7				
Comment Code					
Inspector Comment					
2006 - Sandy, silty bank with intermittent pockets of erosion. Rotational failure and tree pop outs are most of the problem. Some upper slope fluvial erosion. 2010 - Site extended upstream. The lower Feather may benefit from a regional repair. 2011 - Site combined with 3.6. Minimal new erosion. 2013 - New erosion observed at bank toe. Trees on site now have exposed roots. 2015: No observed changes. [2015 Site ID: FHR_3-8_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_7\_20180302\_00007.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	8.65	Rating **	A/W	Issue No.	12
LM End	8.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.835766 °	38.834778 °
				-121.633966 °	-121.634316 °
DWR ID	DWR_RD1001_04_s _ 2012_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bush has been trimmed for access and visibility, Spring 2018.					

No Photos

LM Start	11.05	Rating **	A/W	Issue No.	22
LM End	11.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802875 °	38.802000 °
				-121.632862 °	-121.632763 °
DWR ID	DWR_RD1001_04_s _ 2012_22				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bush has been trimmed for access and visibility, Spring 2018.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	11.18	Rating **	M	Issue No.	6
LM End	11.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.800920 °	38.798165 °
				-121.633050 °	-121.631939 °
DWR ID	DWR_RD1001_04_s _ 2016_6				
Comment Code					
Inspector Comment					
2000 - Site is relatively stable except for some toe erosion at the upstream end, recommend monitoring the upstream end. 2004 - Some new block failures (10ft deep) at the toe of the upstream end. 2007 - Some minor new slumping at the waterline. 2013 - Minor new erosion along the bank toe. 2015: No observed changes. [2015 Site ID: FHR_1-0_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_6\_20180302\_00006.jpg



USACE 2013 Photo #1

LM Start	11.24	Rating **	A/W	Issue No.	23
LM End	11.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.800174 °	38.800174 °
				-121.632227 °	-121.632227 °
DWR ID	DWR_RD1001_04_s _ 2012_23				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bush has been trimmed for access and visibility, Spring 2018.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	11.59	Rating **	M	Issue No.	1
LM End	11.75	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.795455 °	38.793394 °
				-121.629903 °	-121.628156 °
DWR ID	DWR_RD1001_04_s_2016_1				
Comment Code					
Inspector Comment					
1997- Deposits over top of cobble on the upper slope. 2000 - Old cobble site in poor shape; some toe retreat, but little change; steep bank. 2010 - Site extended upstream due to new toe erosion. 2012 - Minor new erosion at toe, new slumping, animals holes and cracks observed. 2015: No observed changes. [2015 Site ID: FHR_0-6_L]					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_1\_20180302\_00001.jpg



USACE 2013 Photo #1

LM Start	11.75	Rating **	M	Issue No.	50
LM End	11.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.793683 °	38.793683 °
				-121.627742 °	-121.627742 °
DWR ID	DWR_RD1001_04_f_2017_50				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair damage caused by vehicles, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_50\_20180302\_00038.jpg



View looking downstream waterside of damages cause by vehicles driving on the levee slope, Fall 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	12.32	Rating **	A/W	Issue No.	24
LM End	12.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.787355 °	38.786507 °
				-121.621165 °	-121.619837 °
DWR ID	DWR_RD1001_04_s_2012_24				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bush has been trimmed for access and visibility, Spring 2018.					

No Photos

LM Start	12.65	Rating **	A/W	Issue No.	26
LM End	13.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.784513 °	38.781862 °
				-121.616045 °	-121.607855 °
DWR ID	DWR_RD1001_04_s_2012_26				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bush has been trimmed for access and visibility, Spring 2018.					

No Photos

LM Start	12.67	Rating **	A/W	Issue No.	11
LM End	13.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.784579 °	38.782150 °
				-121.615689 °	-121.607918 °
DWR ID	DWR_RD1001_04_f_2013_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries bush has been trimmed for access and visibility, Spring 2018.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

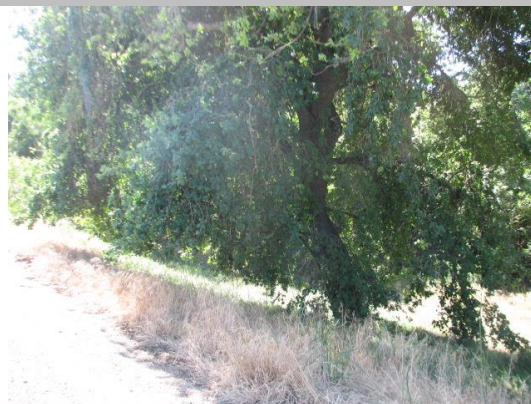
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	12.82	Rating **	A/W	Issue No.	151
LM End	12.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.783930 °	38.783930 °
				-121.612952 °	-121.612952 °
DWR ID	DWR_RD1001_04_s_2012_151				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree limbs for access and visibility, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_38\_151\_20180302\_00063.jpg



Trees need to be trimmed up at least 5 feet. Spring 2013

LM Start	12.86	Rating **	C	Issue No.	44
LM End	12.90	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.783830 °	38.783610 °
				-121.612240 °	-121.611670 °
DWR ID	DWR_RD1001_04_f_2017_44				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:150					
Site Designation:RD 1001-01					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/3/2017					
Notes: 10' sack ring present, 2.5 ft wide 6" tall mound inside, small sinkhole nearby on landside ~3ft wide					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Feather River	Left	13.27	04/03/2018 04/04/2018	Sterling York

LM Start	13.12	Rating **	C	Issue No.	58
LM End	13.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.782170 °	38.782170 °
				-121.607935 °	-121.607935 °
DWR ID	DWR_RD1001_04_f_2015_58				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Tree limbs have been trimmed for access and visibility, Spring 2018.					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	04/05/2018 04/05/2018	Sterling York

LM Start	0.00	Rating **	M	Issue No.	9
LM End	5.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.781229 °	38.831007 °
				-121.605463 °	-121.529904 °
DWR ID	DWR_RD1001_05_f_2017_9				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation has grown back too tall and needs to be maintained for visibility, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_39\_9\_20180411\_00025.jpg



View looking upstream landside of the annual vegetation that needs to be maintained for better visual inspection, Spring 2018.

LM Start	0.00	Rating **	M	Issue No.	17
LM End	5.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.781230 °	38.831009 °
				-121.605463 °	-121.529836 °
DWR ID	DWR_RD1001_05_f_2017_17				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation has grown back too tall and needs to be maintained for visibility, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_39\_17\_20180411\_00026.jpg



View looking upstream waterside of the annual vegetation that needs to be maintained for better visual inspection, Spring 2018.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	04/05/2018 04/05/2018	Sterling York

LM Start	2.31	Rating **	M	Issue No.	1
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.803877 °	38.804206 °
				-121.575053 °	-121.574529 °
DWR ID	DWR_RD1001_05_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Noted old saturation slumping of upper levee slope that is into the levee core (near high water line). 2011 - Erosion is into the top of the levee. This site is actually located at LM 2.5. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: NCC_3-0_R]					

No Photos

LM Start	5.05	Rating **	A/W	Issue No.	8	
LM End	5.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.828100 °	38.828188 °	
				-121.534740 °	-121.534625 °	
DWR ID	DWR_RD1001_05_f_2017_8					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:493						
Site Designation:RD 1001-03						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/17/2017						
Notes: Serious per senior review						

Photo 1 of 3 : LEVAL\_SP\_2018\_493\_1759.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Natomas Cross Canal	Right	5.39	04/05/2018 04/05/2018	Sterling York

LM Start	5.05	Rating **	A/W	Issue No.	8 (cont)	
LM End	5.06	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.828100°	38.828188°	
				-121.534740°	-121.534625°	
DWR ID	DWR_RD1001_05_f_2017_8					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:493						
Site Designation:RD 1001-03						
Repair Type: Erosion						
Rating:Serious						
Field Date:7/17/2017						
Notes: Serious per senior review						

LM Start	<b>5.05</b>	Rating **	A/W	Issue No.	<b>8 (cont)</b>
LM End	<b>5.06</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_SP\_2018\_493\_1762.jpg



Photo 3 of 3 : LEVAL\_SP\_2018\_493\_1763.jpg



* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	04/05/2018 04/05/2018	Sterling York

LM Start	0.00	Rating **	M	Issue No.	16
LM End	4.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.831074 °	38.896360 °
				-121.529742 °	-121.520353 °
DWR ID	DWR_RD1001_06_f_2017_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation has grown back too tall and needs to be maintained for visibility, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_40\_16\_20180411\_00040.jpg



View looking upstream waterside of the annual vegetation that needs to be maintained for better visual inspection, Spring 2018.

LM Start	0.00	Rating **	M	Issue No.	1
LM End	4.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.831074 °	38.896359 °
				-121.529740 °	-121.520353 °
DWR ID	DWR_RD1001_06_f_2017_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Annual vegetation has grown back too tall and needs to be maintained for visibility, Spring 2018.					

Photo 1 of 1 : SP\_2018\_RD1001\_40\_1\_20180411\_00041.jpg



View looking upstream landside of the annual vegetation that has gotten too tall and needs to be maintained for better visual inspection, Spring 2018.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	04/05/2018 04/05/2018	Sterling York

LM Start	0.01	Rating **	C	Issue No.	18
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.831192 °	38.831192 °
				-121.529580 °	-121.529580 °
DWR ID	DWR_RD1001_06_s_2016_18				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees have been removed from levee toe, Spring 2018.					

No Photos

LM Start	2.05	Rating **	A/W	Issue No.	8
LM End	2.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.860002 °	38.860002 °
				-121.524873 °	-121.524873 °
DWR ID	DWR_RD1001_06_s_2012_8				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Crown where there is cross traffic. Monitor this area and fix as needed.					

Photo 1 of 1 : SP\_2018\_RD1001\_40\_8\_20180302\_00004.jpg



View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed, Fall 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	04/05/2018 04/05/2018	Sterling York

LM Start	4.04	Rating **	A/W	Issue No.	7
LM End	4.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.888803 °	38.888803 °
				-121.524738 °	-121.524738 °
DWR ID	DWR_RD1001_06_s_2012_7				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Crown where there is cross traffic. Monitor this area and fix as needed.					

Photo 1 of 1 : SP\_2018\_RD1001\_40\_7\_20180302\_00003.jpg



View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed, Fall 2017.

LM Start	4.33	Rating **	A/W	Issue No.	19
LM End	4.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.892999 °	38.892999 °
				-121.524711 °	-121.524711 °
DWR ID	DWR_RD1001_06_f_2013_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Crown where there is cross traffic. Monitor this area and fix as needed.					

Photo 1 of 1 : SP\_2018\_RD1001\_40\_19\_20180302\_00009.jpg



View of crown where there is cross traffic looking upstream. Monitor this area and fix as needed, Fall 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	04/05/2018 04/05/2018	Sterling York

LM Start	4.38	Rating **	N	Issue No.	22
LM End	4.38	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.893728 °	38.893728 °
				-121.524715 °	-121.524715 °
DWR ID	DWR_RD1001_06_f_2016_22				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
A stump at the landside levee toe needs to be removed, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_40\_22\_20180302\_00011.jpg



View of a stump at the landside levee toe. Fall 2017.

LM Start	4.48	Rating **	M	Issue No.	17
LM End	4.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.895234 °	38.895234 °
				-121.524514 °	-121.524514 °
DWR ID	DWR_RD1001_06_f_2017_17				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim tree limbs for access and visibility, Fall 2017.					

Photo 1 of 1 : SP\_2018\_RD1001\_40\_17\_20180302\_00006.jpg



View looking upstream landside at trees that need to be trimmed for access and visibility, Fall 2017.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Reclamation District No. 1001 Nicolaus

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 East Side Canal	Right	4.74	04/05/2018 04/05/2018	Sterling York

LM Start	4.71	Rating **	M	Issue No.	24
LM End	4.71	Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.896310 °	38.896310 °
				-121.520674 °	-121.520674 °
DWR ID	DWR_RD1001_06_f_2016_24				
Comment Code					
DE : Debris					
Inspector Comment					
Old peace of pipe lying on landside levee slope.					

Photo 1 of 2 : SP\_2018\_RD1001\_40\_24\_20180302\_00012.jpg



View of an old piece of pipe lying on landside levee slope looking upstream. Fall 2017.

LM Start	<b>4.71</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>4.71</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : SP\_2018\_RD1001\_40\_24\_20180302\_00013.jpg



View of an old piece of pipe lying on landside levee slope looking upstream. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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